



FIRE DEPARTMENT

FIRE PREVENTION BUREAU

Derek L. Hughes, Fire Chief
David Petersen, Deputy Fire Chief Len DeJoria, Fire Prevention Officer

Title: Pyrotechnic Special Events Permit Guideline (Outdoor)

Scope: Indoor and Outdoor Pyrotechnic Displays shall comply with all regulations set forth by this department, NFPA 1123, 1124, 1126, and The International Fire Code, 2003 edition; Chapter 33. An operational permit shall be required for all pyrotechnic displays.

Purpose: To provide standardized Mesquite Fire Department requirements relating to all Pyrotechnic Displays.

Requirements: Three sets of plans shall be submitted to the Mesquite Fire Department for approval and must be received by this Department within (10) working days prior to the start of the event. Upon approval of plans, (2) sets will be returned. (1) Fire Department stamped set shall be available for review at all times during the event. The Mesquite Fire Department will only review plans that are drawn to scale.

Plans must clearly indicate all of the following information:

1. Name and address of property or site location.
2. Indicate location of buildings, highways, streets, property lines, trees, utility lines, or any other significant obstructions.
3. Location of all devices, firing positions, fire extinguishers, firing control board, vehicle parking areas, and audience viewing areas.
4. Fallout zone. Design to accommodate the required separation distances of the largest shell used. (Distances may be increased by this department depending on specific circumstances.)
5. If location of devices to be fired is other than ground level, it must be specified on plan.
6. Location and method of storing unfired devices.
7. Description of mortar rack construction, how they will be secured and firing surface composition.

Licensing: Provide a copy, front and back of the required State Fire Marshall operator license, as well as the required State licensing for the pyrotechnic company.

Insurance: Provide a copy of a valid bond or certificate of insurance. Minimum coverage for property damage and bodily injury arising from commercial display of fireworks is \$1,000,000.00. (City of Mesquite Fire Department IFC Amendment 112.2-3.3) Coverage to include The CITY OF MESQUITE as additionally insured.

Schedule: Include in your submittal a detailed description to include the following:

1. Date and time of arrival of fireworks.
2. Date and time of initial set up.
3. Date and time of requested inspection.
4. Date and time of required demonstration.
5. Date and time of show. Include rain date if applicable.
6. Provide a list of all devices and MSDS. (Material Safety Data Sheets.) This should include information such as size, type, number, maximum height, duration and construction.

Demonstration: Prior to issuance of permit, this department will require a demonstration. One of each device may be required to be shown. The acceptance of each device or combination of effects is at the discretion of this department's representative.

Notification: The following agencies must be notified by the pyrotechnic company of the show no less than 48 hours prior to, and the day of the event.

1. Mesquite Police Department.
2. Any adjacent affected properties.
3. Mesquite Airport.

Required Fire Department Personnel /Engine Standby: Department personnel shall be required at all outdoor displays as determined by the Chief. Should the display not occur during the normal Fire Prevention Bureau hours of operation, the permit holder, property owner, or event coordinator will incur costs involved for necessary department standby personnel. If the event should be held at a facility that does not have adequate fire protection, a standby engine shall be present as determined by the chief with cost incurred as previously stated.

Security: Constant security shall be provided once pyrotechnics have been placed on site. Monitors and or spotters may be required by this department for crowd control and fall out area debris watch depending on size and location of display.

Fire Protection: It shall be necessary for the pyrotechnic company to provide adequate portable fire extinguishing equipment for the entire discharge area to include the fall out zone.

Cancellation and Wind Speed: Immediately prior to the designated time of display, the pyrotechnic operator shall determine wind speed and direction utilizing an anemometer provided by the pyrotechnic company. A test shot shall be fired within 30 minutes of proposed show start time for determining the continuance of devices or entire show. If wind speeds are in excess of 10 miles per hour, aerial displays shall be cancelled. If wind speeds are in excess of 15 miles per hour, ground displays shall be cancelled.

Should you have any questions, please call the Fire Prevention Bureau.